

Delta Shipyards

Site Team Meeting and General Brain Picking,
January 23, 2012



9522616



Aerial 1974

The early details of the site history are sketchy but indicate that the site was owned by Delta Ironworks. The site was part of a large industrial park covering 165 acres and home to seven divisions of Delta Ironworks, including Delta Shipyard. Available information indicates that Delta Shipyard was the only division that handled hazardous wastes. In 1969, Delta Ironworks was sold to the Chromalloy American Corporation of St. Louis, Missouri. Chromalloy maintained all seven divisions until November 1980 when five of the divisions (including Delta Shipyard) were sold to Delta Services Industries of Houma, Louisiana. Mr. Dean purchased 110 acres of the industrial park from Delta Services in 1986 including the property used by Delta Shipyard.



Aerial 1978

Delta Shipyard consisted of a cleaning and repairing facility for small cargo boats, fishing boats, and oil barges. Before repair work could begin, the boats had to be certified vapor free by the U.S. Coast Guard. In order to accomplish this, The generated oils and wastewater were sent through a series of separation ponds, after which the oil was recovered and sold. Two pits were reported closed by LDEQ in 1984.



Aerial 1989

4 Pits present in 78, are no longer present, site is no longer in operation.

EPA Involvement

EPA PA in 1981

LDEQ involvement with numerous violations throughout the 1980's

EPA SIP in 1994

EPA ESI in 1997

Recommended for EE/CA by Site assessment in 1998

No remedial action has occurred at this site 1998

Site visit with LDEQ on January 10, 2012-LDEQ has asked for EPA assistance

Table 4-1
Delta Shipyard (CERCLIS ID LAD058475419)
On-Site Waste Sampling Results Significantly Above Background Concentrations

Analyte	Background Concentration		Characterization Sample Concentrations					
	Maximum Background	3 Times Maximum Background	Station Sample Date QC Type Depth	P01	P02	P03	P04	P05
				P01-71-1 07/25/96 Normal 2.0'-3.0'	P02-71-1 07/25/96 Normal 2.0'-3.0'	P03-71-1 07/25/96 Normal 2.0'-3.0'	P04-71-1 07/25/96 Normal 2.0'-3.0'	P05-71-1 07/25/96 Normal 2.0'-3.0'
Volatile Organics								
Ethylbenzene (ug/kg)	ND	-----		8700	3500	4500	660 J	8500
Toluene (ug/kg)	ND	-----		2300 U	2100 U	3800	1700 U	6400
Xylenes (total) (ug/kg)	ND	-----		27000	23000	28000	2000	56000
Semi-Volatile Organics								
2-Methylnaphthalene (ug/kg)	ND	-----		390000	460000	470000	130000	410000
Naphthalene (ug/kg)	ND	-----		130000	160000	160000	48000 J	130000
Phenanthrene (ug/kg)	32	96		91000 J	100000 J	110000 J	90000 U	61000 J C-BSQL
Pesticides								
Endosulfan II (ug/kg)	ND	-----		84	88	89	44 U	62 U
Heptachlor epoxide (ug/kg)	ND	-----		110	49	89	22 U	31 U
Polychlorinated Biphenyls								
No Parameters Above Background								
Metals								
Arsenic (mg/kg)	7.7	23.1		26.1	32.7	27.6	48.2	61.2
Cadmium (mg/kg)	ND	-----		5.6	6.5	5.1	3.5	12.2
Chromium (mg/kg)	18.5	55.5		709	576	520	104	371
Cyanide (mg/kg)	ND	-----		1.1	1.4	0.65	0.54 U	0.82 U
Lead (mg/kg)	117	351		861	952	771	520	561
Mercury (mg/kg)	ND	-----		1.8	1.6	1.2	0.98	0.81
Sodium (mg/kg)	164	492		1330	1360	1980	1590	1200
Zinc (mg/kg)	206	618		1010	1140	1020	808	2160

Shaded Values Exceed 3 Times Maximum Background Concentrations for Constituents Attributable to the Site.

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What's in the Pits

Ugh, Goo and Mung,

PAH's

Volatiles

Metals

Pesticides



Delta Today

Photo courtesy of Google

Residences have built homes west of pit area

Pits are surrounded by woods, no fence

Residences indicate that there children know not to go near them

LDEQ would like to see the pits stabilized to prevent migration via gw, sw and direct human exposure

Site is located in a highly industrial portion of the intercoastal canal

Releases to ground water and surface water are likely occurring

What's next?

- Form site team
- Investigate options for site clean-up
 - Removal
 - OPA
 - NPL Listing
 - PRP Clean-up
- Initiate PRP search to determine if viable parties
- Work with LDEQ to address their concerns